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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/733,752	12/11/2003	Eric Lawrence Barsness	ROC920030327US1	8404	
	7590 07/23/2007 SSOCIATES, LLC		EXAMINER		
P.O. BOX 548 CARTHAGE, MO 64836-0548			LE, MICHAEL		
CARTIAGE, N	VIO 04030-0340		ART UNIT PAPER NUMBER		
•			2163		
			MAIL DATE	DELIVERY MODE	
			07/23/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)				
Advisory Action	10/733,752	BARSNESS ET AL.				
Before the Filing of an Appeal Brief	Examiner	Art Unit				
	Michael Le	2163				
The MAILING DATE of this communication app	ears on the cover sheet with the o	correspondence add	ress			
THE REPLY FILED 14 July 2007 FAILS TO PLACE THIS APP						
<ol> <li>The reply was filed after a final rejection, but prior to or o this application, applicant must timely file one of the folloplaces the application in condition for allowance; (2) a New a Request for Continued Examination (RCE) in compliant time periods:</li> </ol>	owing replies: (1) an amendment, af otice of Appeal (with appeal fee) in once with 37 CFR 1.114. The reply m	fidavit, or other evider compliance with 37 C	nce, which FR 41.31; or (3)			
	ne period for reply expiresmonths from the mailing date of the final rejection.  The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In					
no event, however, will the statutory period for reply expire Examiner Note: If box 1 is checked, check either box (a) or	no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.  Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN					
TWO MONTHS OF THE FINAL REJECTION. See MPEP : Extensions of time may be obtained under 37 CFR 1.136(a). The date	``	136(a) and the appropria	te extension fee			
have been filed is the date for purposes of determining the period of e under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office late may reduce any earned patent term adjustment. See 37 CFR 1.704(b) NOTICE OF APPEAL	xtension and the corresponding amount shortened statutory period for reply origer than three months after the mailing days).	of the fee. The appropri ginally set in the final Offi ate of the final rejection, o	iate extension fee ce action; or (2) as even if timely filed,			
<ol> <li>The Notice of Appeal was filed on A brief in comfiling the Notice of Appeal (37 CFR 41.37(a)), or any extension a Notice of Appeal has been filed, any reply must be filed AMENDMENTS</li> </ol>	ension thereof (37 CFR 41.37(e)), to	o avoid dismissal of th				
3. The proposed amendment(s) filed after a final rejection.	but prior to the date of filing a brief	, will not be entered b	ecause			
<ul> <li>(a) ☐ They raise new issues that would require further of</li> <li>(b) ☐ They raise the issue of new matter (see NOTE bell</li> <li>(c) ☐ They are not deemed to place the application in below</li> </ul>	onsideration and/or search (see NC ow);	TE below);				
appeal; and/or (d) They present additional claims without canceling a	· · · · · · · · · · · · · · · · · · ·	jected claims.	•			
NOTE: (See 37 CFR 1.116 and 41.33(a)) 4. The amendments are not in compliance with 37 CFR 1.		nmaliant Amendment	(DTOL 224)			
5. Applicant's reply has overcome the following rejection(s		Impliant Amendment	(FTOL-324).			
<ol> <li>Newly proposed or amended claim(s) would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).</li> </ol>						
7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is proposed. The status of the claim(s) is (or will be) as follows:  Claim(s) allowed:  Claim(s) objected to:		ill be entered and an e	•			
Claim(s) objected to: Claim(s) rejected: <u>1-29,32-38,41-43,46 and 47</u> . Claim(s) withdrawn from consideration:						
AFFIDAVIT OR OTHER EVIDENCE						
<ol> <li>The affidavit or other evidence filed after a final action, because applicant failed to provide a showing of good a was not earlier presented. See 37 CFR 1.116(e).</li> </ol>	nd sufficient reasons why the affida	vit or other evidence is	s necessary and			
<ol> <li>The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to showing a good and sufficient reasons why it is necessated.</li> <li>The affidavit or other evidence is entered. An explanation</li> </ol>	overcome <u>all</u> rejections under appears and was not earlier presented. S	eal and/or appellant fa See 37 CFR 41.33(d)(	ils to provide a 1).			
REQUEST FOR RECONSIDERATION/OTHER		•				
11. The request for reconsideration has been considered by See Continuation Sheet.		in condition for allowa	nce decause:			
<ul><li>12. ☐ Note the attached Information Disclosure Statement(s)</li><li>13. ☐ Other:</li></ul>	. (P10/58/08) Paper No(s)					

Continuation of 11. does NOT place the application in condition for allowance because: In the response filed 7/14/2007, Applicant argues the rejections under 35 U.S.C. 101 and 35 U.S.C. 103(a).

In response to Applicant's arguments with respect to the rejection of claims 1-5, 8, 10-12, 14-29, 32-35, 37, 38, 42, 43 and 47 under 35 U.S.C. 101, the rejection is withdrawn in light of Applicant's arguments.

With regards to the rejection of claims 1-29, 32-38, 41-43, 46 and 47 under 35 U.S.C. 103(a), Applicant seems to make two arguments. First, Applicant seems to argue that the cited prior art, specifically Zuzarte, fails to disclose "at least one limit that is dynamically determined from data in the database" (Remarks at 15.) Applicant, however, admits that Zuzarte discloses statistical constraints (Remarks at 15) but argues that Zuzarte's "statistical constraints are different from ordinary integrity constraits", citing paragraph 0021, lines 1-3 of Zuzarte (Remarks at 15.) Paragraph 0021 of Zuzarte does state that statistical constraints are different from ordinary constraints, but it also states that the specific difference is "that they are not necessarily valid for all of the data." Zuzarte at para. 0021, lines 1-3. Therefore, the distinction between them is not so great that statistical constraints cannot be used for data integrity purposes.

Second, Applicant seems to argue the motivation to combine Bakuya and Zuzarte is improper and that any motivation to combine was based on impermissible hindsight. Applicant argues that since Zuzarte discloses statistical constraits for estimating cardinality, it would not have been obvious to one of ordinary skill in the art to combine Zuzarte with Bakuva, which discloses range constraints with fixed limits (Remarks at 17.) The Examiner respectully disagrees. Although Zuzarte discloses the use of statistical constraints for estimating cardinality, Zuzarte discloses that the statistical constraints are calculated based upon high and low values of a column (Zuzarte at para. 0020, lines 6-12) and that the statistical constraints are like ordinary integrity constraints (range constraints) except for "an extra piece of information." Zuzarte at para. 0021, lines 4-6. Thus, contrary to Applicant's assertion, the statistical constraints of Zuzarte are very much like integrity constraints (range constraints). Bakuya discloses fixed range table constraints as acknowledged by Applicant. Since Zuzarte discloses statistical constraints, which are very much like ordinary integrity constraints except that they are dynamically determined from values of a column, one of ordinary skill in the art would have been motivated to combine Zuzarte with Bakuya by replacing the fixed range table constraints of Bakuya with the statistical constraints of Zuzarte. Paragraph 0003 of Zuzarte cited for the motivation to combine discusses the advantages of determining statistics of values of a column as it would aid in estimating cardinality thereby aiding in optimization of queries. One of ordinary skill in the art wanting to have table constraints with the added advantage of optimizing queries would have been motivated by the Zuzarte and therefore would have combined Zuzarte with Bakuya. Clearly, this motivation is not based upon impermissible hindsight. Further, the motivation to combine is permitted to be different from that of Applicant's. See In re Kahn, 441 F.3d 977, 987, 78 (Fed. Cir. 2006). Thus, for the reasons discussed, the rejection of claims 1-29, 32-38, 41-43, 46 and 47 under 35 U.S.C. 103(a) is maintained.

DON WONG

SUPERVISORY PATENT EXAMINER **TECHNOLOGY CENTER 2100**